

=> b hcap

FILE 'HCAPLUS' ENTERED AT 10:13:50 ON 02 MAR 2004

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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10

FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d all ll

L1 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:648411 HCAPLUS
 DN 137:190741
 ED Entered STN: 28 Aug 2002
 TI Nitrogen oxide modulators for the treatment of itching
 IN Kuraishi, Yasushi; Miyamoto, Takayuki
 PA Ikeda Mohando Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K045-00

ICS A61K045-06; A61P017-04; A61P043-00; A61K031-223

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 1

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------|----------|-----------------|--------------|
| PI | JP 2002241308 | A2 | 20020828 | JP 2001-44656 | 20010221 |
| | US 2002156129 | A1 | 20021024 | US 2001-982380 | 20011017 <-- |
| PRAI | JP 2001-44656 | A | 20010221 | | |

AB This invention relates to therapeutics for the treatment of itching which is caused by hypofunction of skin barriers. The agents for the treatment of itching exhibit (1) NO biosynthesis-inhibiting activities and/or (2) NO-removing activities by binding with NO in vivo. For example, an ointment was formulated containing 5 % N_o-nitro-L-arginine Me ester.

ST nitrogen oxide inhibitor itching treatment; ointment nitroarginine methyl ester itching

IT Pruritus

(nitrogen oxide modulators for treatment of itching)

IT Hemoglobins

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(nitrogen oxide modulators for treatment of itching)

IT Drug delivery systems
(ointments; nitrogen oxide modulators for treatment of itching)

IT 125978-95-2, NO synthase
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; nitrogen oxide modulators for treatment of itching)

IT 10102-43-9, Nitrogen monoxide, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(nitrogen oxide modulators for treatment of itching)

IT 96-50-4, 2-Aminothiazole 271-44-3, Indazole 2149-70-4,
N ω -Nitro-L-arginine 2942-42-9, 7-Nitroindazole 2986-19-8,
S-Methylisothiurea 2986-20-1, S-Ethylisothiurea 6913-17-3
7597-18-4, 6-Nitroindazole 13395-35-2, 2-Iminobiotin 17035-90-4,
L-NMMA 25371-96-4 30315-93-6 36889-13-1 50903-99-6, L-NAME
50961-01-8, 2-Aminothiazoline 53774-63-3 57444-72-1 139299-32-4
139461-37-3 145157-47-7 156719-37-8, L-Thiocitrulline 156719-38-9,
L-Homothiocitrulline 156719-41-4, S-Methyl-L-thiocitrulline
157254-42-7 158875-72-0, S-Ethyl-L-thiocitrulline 163490-54-8
168895-09-8, AR-R17477 180001-34-7 451474-04-7, HMN 1180
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
(Biological study); USES (Uses)
(nitrogen oxide modulators for treatment of itching)

=> b reg

FILE 'REGISTRY' ENTERED AT 10:14:08 ON 02 MAR 2004
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1
DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d ide tot l3

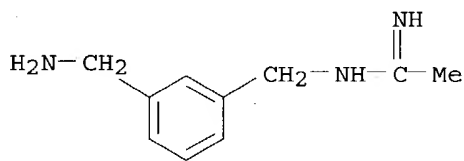
l3 was the set of compounds in the inventors work

L3 ANSWER 1 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 451474-04-7 REGISTRY
CN HMN 1180 (9CI) (CA INDEX NAME)
ENTE A nitric oxide modulator (Japan)
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

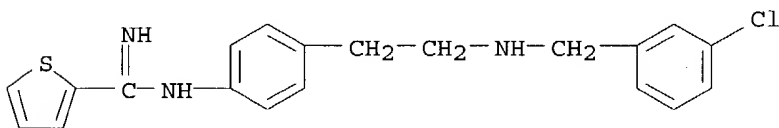
L3 ANSWER 2 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 180001-34-7 REGISTRY
CN Ethanimidamide, N-[[3-(aminomethyl)phenyl]methyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1400W
CN W 1400
FS 3D CONCORD
MF C10 H15 N3
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, SYNTHLINE, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

42 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 3 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 168895-09-8 REGISTRY
CN 2-Thiophenecarboximidamide, N-[4-[2-[[[(3-chlorophenyl)methyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN AR-R 17477
FS 3D CONCORD
MF C20 H20 Cl N3 S
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPATFULL



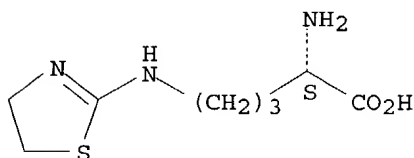
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 4 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 163490-54-8 REGISTRY

CN L-Ornithine, N5-(4,5-dihydro-2-thiazolyl)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 DR 449181-59-3
 MF C8 H15 N3 O2 S
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

Absolute stereochemistry.

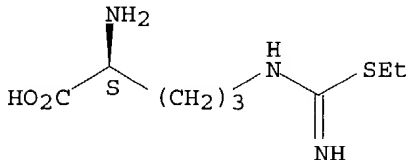


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3 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 5 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 158875-72-0 REGISTRY
 CN L-Ornithine, N5-[(ethylthio)iminomethyl]- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN S-Ethyl-L-thiocitrulline
 FS STEREOSEARCH
 MF C8 H17 N3 O2 S
 CI COM
 SR CA
 LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

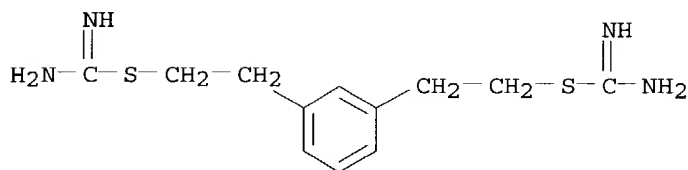


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11 REFERENCES IN FILE CA (1907 TO DATE)
 11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 6 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 157254-42-7 REGISTRY
 CN Carbamimidothioic acid, 1,3-phenylenedi-2,1-ethanediyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 1,3-PBIT
 FS 3D CONCORD
 MF C12 H18 N4 S2
 CI COM

SR CA
LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER, USPATFULL

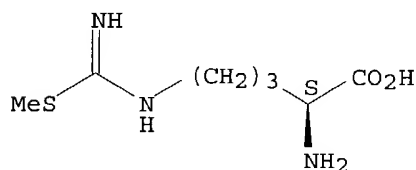


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 7 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 156719-41-4 REGISTRY
CN L-Ornithine, N5-[imino(methylthio)methyl]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN S-Methyl-L-thiocitrulline
CN S-Methylthiocitrulline
CN S-MTC
FS STEREOSEARCH
MF C7 H15 N3 O2 S
CI COM
SR CA
LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CEN, CHEMCATS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry. Rotation (+).

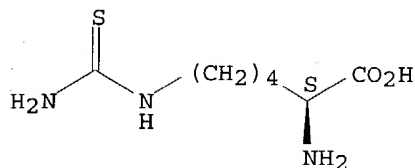


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

40 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
40 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 8 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 156719-38-9 REGISTRY
CN L-Lysine, N6-(aminothioxomethyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN L-Homothiocitrulline
FS STEREOSEARCH
MF C7 H15 N3 O2 S
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.

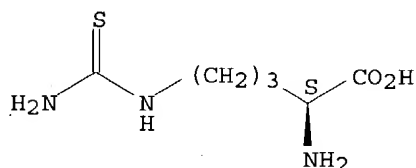


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4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 9 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 156719-37-8 REGISTRY
CN L-Ornithine, N5-(aminothioxomethyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN L-TC
CN L-Thiocitrulline
FS STEREOSEARCH
MF C6 H13 N3 O2 S
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL

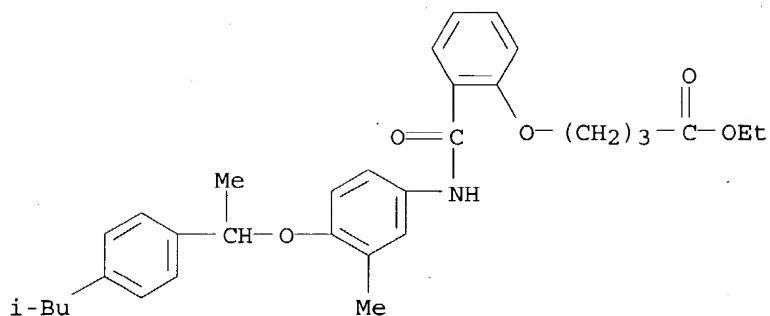
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
41 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 10 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 145157-47-7 REGISTRY
CN Butanoic acid, 4-[2-[[[3-methyl-4-[1-[4-(2-methylpropyl)phenyl]ethoxy]phenyl]amino]carbonyl]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C32 H39 N O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

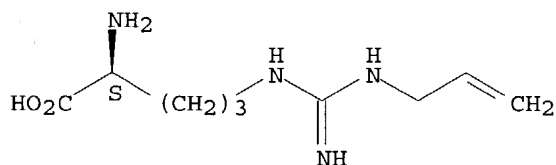


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 11 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 139461-37-3 REGISTRY
CN L-Ornithine, N5-[imino(2-propenylamino)methyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C9 H18 N4 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, CHEMINFORMRX, MEDLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.

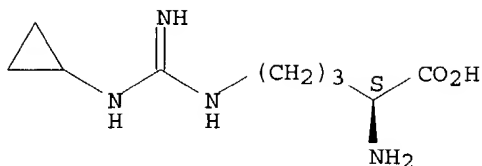


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1907 TO DATE)
13 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 12 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN 139299-32-4 REGISTRY
CN L-Ornithine, N5-[(cyclopropylamino)iminomethyl]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C9 H18 N4 O2
CI COM
SR CA
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, MEDLINE, TOXCENTER, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

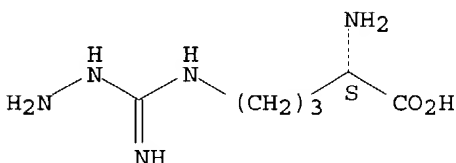
L3 ANSWER 13 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN **125978-95-2** REGISTRY
CN Synthase, nitric oxide (9CI) (CA INDEX NAME)
OTHER NAMES:
CN E.C. 1.14.13.39
CN Nitric oxide synthase
CN Nitric oxide synthetase
CN NO synthase
MF Unspecified
CI MAN
SR CA
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
CA, CAPLUS, CEN, CHEMCATS, CIN, CSChem, EMBASE, IPA, PROMT, TOXCENTER,
USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

18705 REFERENCES IN FILE CA (1907 TO DATE)
64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
18732 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 14 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
RN **57444-72-1** REGISTRY
CN L-Ornithine, N5-(hydrazinoiminomethyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN NG-Amino-L-arginine
FS STEREOSEARCH
MF C6 H15 N5 O2
CI COM
LC STN Files: CA, CANCERLIT, CAPLUS, MEDLINE, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

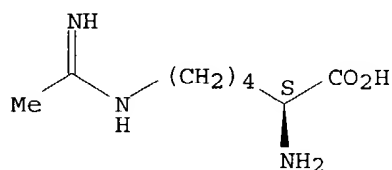


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47 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
47 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 15 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 53774-63-3 REGISTRY
 CN L-Lysine, N6-(1-iminoethyl)- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN ε-Acetimidyllysine
 CN L-NIL
 FS STEREOSEARCH
 MF C8 H17 N3 O2
 CI COM
 LC STN Files: ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CHEMCATS, EMBASE, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

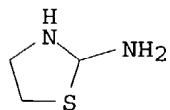
75 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 75 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 16 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 50961-01-8 REGISTRY
 CN 2-Thiazolamine, dihydro- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Thiazoline, 2-amino- (7CI)
 OTHER NAMES:
 CN 2-Aminothiazoline
 MF C3 H6 N2 S
 CI IDS, COM
 LC STN Files: BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

CM 1

CRN 50283-09-5

CMF C3 H8 N2 S



15 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 15 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 17 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 50903-99-6 REGISTRY

CN L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN L-NAME

CN L-NAME

CN N-Nitro-L-arginine methyl ester

CN N ω -Nitro-L-arginine methyl ester

CN N ω -Nitro-L-arginine methyl ester

CN NAME

CN NG-Nitro-L-arginine Me ester

CN NG-Nitro-L-arginine methyl ester

FS STEREOSEARCH

DR 162715-84-6, 126265-24-5, 189639-12-1

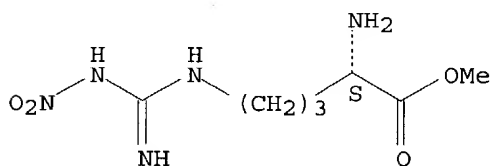
MF C7 H15 N5 O4

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CIN, DIOGENES, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1510 REFERENCES IN FILE CA (1907 TO DATE)

6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1514 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 18 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN

RN 36889-13-1 REGISTRY

CN L-Ornithine, N5-(1-iminoethyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN L-NIO

CN N8-(Iminoethyl)-L-ornithine

CN N5-(1-Iminoethyl)-L-ornithine

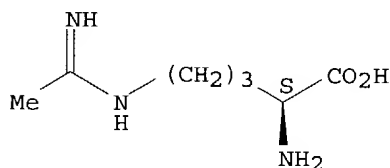
FS STEREOSEARCH

MF C7 H15 N3 O2

CI COM

LC STN Files: BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CHEMCATS, CSCHM, EMBASE, MEDLINE, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry.

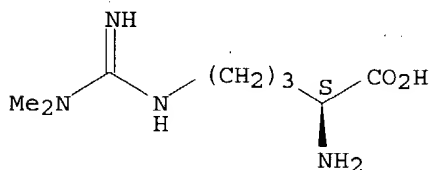


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110 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 110 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 19 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 30315-93-6 REGISTRY
 CN L-Ornithine, N5-[(dimethylamino)iminomethyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ornithine, N5-(N,N-dimethylamidino)-, L- (8CI)
 OTHER NAMES:
 CN ADMA
 CN Asymmetric dimethylarginine
 CN Dimethyl-L-arginine
 CN L-NG,NG-Dimethylarginine
 CN Ng,Ng-Dimethylarginine
 CN NG,NG-Dimethylarginine
 FS STEREOSEARCH
 DR 32747-09-4
 MF C8 H18 N4 O2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CIN, CSCHEM, EMBASE, MEDLINE, PROMT, TOXCENTER,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)

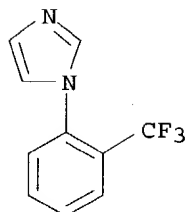
Absolute stereochemistry.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

264 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 266 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 25371-96-4 REGISTRY
 CN 1H-Imidazole, 1-[2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Imidazole, 1-(α,α,α -trifluoro-o-tolyl)- (8CI)
 OTHER NAMES:
 CN 1-(2-Trifluoromethylphenyl)imidazole
 FS 3D CONCORD
 MF C10 H7 F3 N2
 CI COM
 LC STN Files: BIOSIS, CA, CANCERLIT, CAPLUS, CHEMCATS, CSCHEM, MEDLINE,
 TOXCENTER, USPAT2, USPATFULL

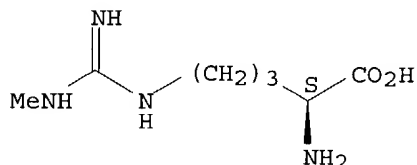


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

33 REFERENCES IN FILE CA (1907 TO DATE)
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 33 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 21 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 17035-90-4 REGISTRY
 CN L-Ornithine, N5-[imino(methylamino)methyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ornithine, N5-(methyamidino)-, L- (8CI)
 OTHER NAMES:
 CN ω-N-Methylarginine
 CN ω-N-Monomethylarginine
 CN L-Monomethylarginine
 CN L-NG-Methylarginine
 CN L-NMA
 CN L-NMMA
 CN Methylarginine
 CN N5-(Methyamidino)-L-ornithine
 CN NG-Methyl-L-arginine
 CN NG-methyl-L-arginine
 CN NG-Methylarginine
 CN NG-Monomethyl-L-arginine
 CN NG-Monomethylarginine
 CN Targinine
 FS STEREOSEARCH
 DR 42342-68-7
 MF C7 H16 N4 O2
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CIN, CSCHEM, DDFU, DRUGU, EMBASE, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.

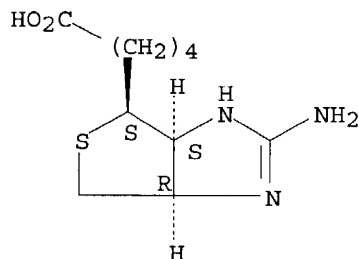


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

859 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 861 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 22 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 13395-35-2 REGISTRY
 CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, 2-amino-3a,4,6,6a-tetrahydro-,
 (3aS,4S,6aR)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1H-Thieno[3,4-d]imidazole-4-pentanoic acid, 2-amino-3a,4,6,6a-tetrahydro-,
 [3aS-(3a α ,4 β ,6a α)]-
 CN Thieno[3,4-d]imidazoline-4-valeric acid, tetrahydro-2-imino- (8CI)
 OTHER NAMES:
 CN 2-Iminobiotin
 CN Iminobiotin
 FS STEREOSEARCH
 MF C10 H17 N3 O2 S
 CI COM
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAOLD, CAPLUS, CHEMCATS, CSCHM, EMBASE, MEDLINE, TOXCENTER,
 USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

94 REFERENCES IN FILE CA (1907 TO DATE)
 19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 95 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

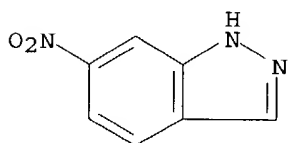
L3 ANSWER 23 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 10102-43-9 REGISTRY
 CN Nitrogen oxide (NO) (8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Amidogen, oxo-
 CN INOmax
 CN Nitric oxide
 CN Nitric oxide (NO)
 CN Nitric oxide trimer
 CN Nitrogen monoxide
 CN Nitrogen monoxide
 CN Nitrogen oxide (N4O4)
 CN Nitrogen(II) oxide
 CN Nitrosyl radical
 CN OHM 11771
 DR 53851-19-7, 51005-20-0, 51005-21-1, 90452-29-2

MF N O
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
 DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT,
 ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSPATENTS,
 IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA,
 PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL,
 VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

N=O

78192 REFERENCES IN FILE CA (1907 TO DATE)
 458 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 78350 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 24 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 7597-18-4 REGISTRY
 CN 1H-Indazole, 6-nitro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN 6-Nitro-1H-indazole
 CN 6-Nitroindazole
 CN 6-Nitroisindazole
 CN NSC 35066
 CN NSC 56816
 FS 3D CONCORD
 MF C7 H5 N3 O2
 CI COM
 LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, HODOC*, IFICDB,
 IFIPAT, IFIUDB, MEDLINE, PIRA, RTECS*, SPECINFO, TOXCENTER, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

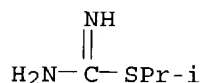


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

170 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 170 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 25 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 6913-17-3 REGISTRY

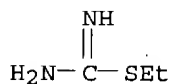
CN Carbamimidothioic acid, 1-methylethyl ester (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pseudourea, 2-isopropyl-2-thio- (7CI, 8CI)
 OTHER NAMES:
 CN 2-Isopropyl-2-thiopseudourea
 FS 3D CONCORD
 MF C4 H10 N2 S
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

19 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 19 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 26 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 2986-20-1 REGISTRY
 CN Carbamimidothioic acid, ethyl ester (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pseudourea, 2-ethyl-2-thio- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 2-Ethyl-2-thiopseudourea
 CN S-EIT
 CN S-Ethylisothiourea
 FS 3D CONCORD
 DR 161722-89-0
 MF C3 H8 N2 S
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT,
 CHEMINFORMRX, CHEMLIST, DDFU, DRUGU, IFICDB, IFIPAT, IFIUDB, MEDLINE,
 NIOSHTIC, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

96 REFERENCES IN FILE CA (1907 TO DATE)
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 96 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 27 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 2986-19-8 REGISTRY
 CN Carbamimidothioic acid, methyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Pseudourea, 2-methyl-2-thio- (6CI, 8CI)

OTHER NAMES:

CN 2-Methyl-2-pseudothiourea

CN 2-Methyl-2-thiopseudourea

CN 2-Methylisothiourea

CN 2-Methylpseudothiourea

CN 2-Methylthiourea

CN Methylisothiourea

CN Methylisothiuronium

CN Methylthiopseudourea

CN S-Methylisothiourea

CN S-Methylpseudothiourea

CN S-Methylthiopseudourea

CN S-Methylthiourea

FS 3D CONCORD

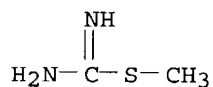
DR 53212-69-4, 72046-62-9

MF C2 H6 N2 S

CI COM

LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, NIOSHTIC, RTECS*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

373 REFERENCES IN FILE CA (1907 TO DATE)

11 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

373 REFERENCES IN FILE CAPLUS (1907 TO DATE)

14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 28 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN

RN 2942-42-9 REGISTRY

CN 1H-Indazole, 7-nitro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 7-Nitro-1H-indazole

CN 7-Nitroindazole

CN NSC 72843

FS 3D CONCORD

MF C7 H5 N3 O2

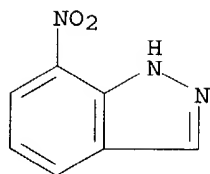
CI COM

LC STN Files: ADISNEWS, AGRICOLA, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

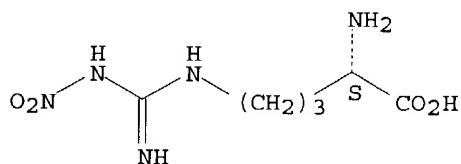


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

338 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 338 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 29 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 2149-70-4 REGISTRY
 CN L-Ornithine, N5-[imino(nitroamino)methyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ornithine, N5-(nitroamidino)-, L- (8CI)
 OTHER NAMES:
 CN (+)-NG-Nitroarginine
 CN ω-Nitro-L-arginine
 CN ω-Nitroarginine
 CN L-Arginine, ω-nitro-
 CN L-Arginine, NG-nitro-
 CN L-NG-Nitroarginine
 CN L-NNA
 CN Nω-Nitro-L-arginine
 CN Nω-Nitro-L-arginine
 CN NG-Nitro-L-arginine
 CN NG-Nitroarginine
 CN Nitro-L-arginine
 CN Nitroarginine
 CN NOLA
 CN NSC 53662
 FS STEREOSEARCH
 DR 13855-78-2, 126265-23-4, 38733-00-5
 MF C6 H13 N5 O4
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
 CIN, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 PROMT, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

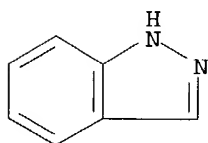
Absolute stereochemistry.



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

946 REFERENCES IN FILE CA (1907 TO DATE)
 21 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 946 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 30 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **271-44-3** REGISTRY
 CN 1H-Indazole (7CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Indazole (6CI)
 OTHER NAMES:
 CN 1,2-Diazaindene
 CN 1H-Benzopyrazole
 CN 2-Azaindole
 CN Isoindazole
 CN NSC 26336
 CN NSC 90357
 FS 3D CONCORD
 DR 116421-37-5
 MF C7 H6 N2
 CI COM, RPS
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, DETHERM*, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDb, MRCK*, NIOSHTIC, PIRA, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)

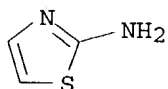


****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

791 REFERENCES IN FILE CA (1907 TO DATE)
 57 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 792 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 33 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 31 OF 31 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **96-50-4** REGISTRY
 CN 2-Thiazolamine (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Thiazole, 2-amino- (8CI)
 OTHER NAMES:
 CN 2-Amino-1,3-thiazole
 CN 2-Aminothiazole
 CN 2-Thiazolylamine
 CN Abadol
 CN Abadole
 CN Aminothiazole

CN Basedol
 CN NSC 1900
 FS 3D CONCORD
 DR 58473-79-3, 5654-01-3
 MF C3 H4 N2 S
 CI COM
 LC STN Files: ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO,
 CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX,
 CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*,
 IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT,
 RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



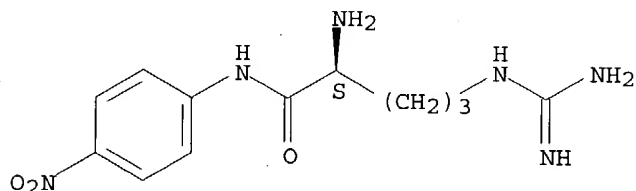
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1909 REFERENCES IN FILE CA (1907 TO DATE)
 65 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1915 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d ide 15 tot

L5 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 140845-10-9 REGISTRY
 CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-(4-nitrophenyl)-,
 dihydrofluoride, (S)- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Arginine p-nitroanilide dihydrofluoride
 FS STEREOSEARCH
 MF C12 H18 N6 O3 . 2 F H
 SR CA
 LC STN Files: CA, CAPLUS
 CRN (6154-84-3)

Absolute stereochemistry.

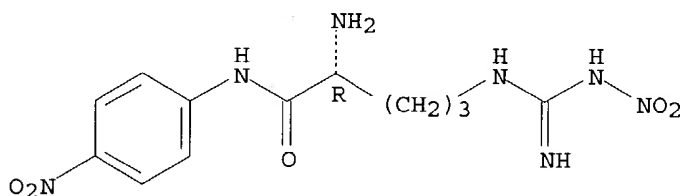


● 2 HF

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 40127-15-9 REGISTRY
 CN Pentanamide, 2-amino-5-[[imino(nitroamino)methyl]amino]-N-(4-nitrophenyl)-, monohydrobromide, (R)- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN No-Nitro-D-arginine p-nitroanilide hydrobromide
 FS STEREOSEARCH
 MF C12 H17 N7 O5 . Br H
 LC STN Files: BEILSTEIN*, CA, CAPLUS
 (*File contains numerically searchable property data)

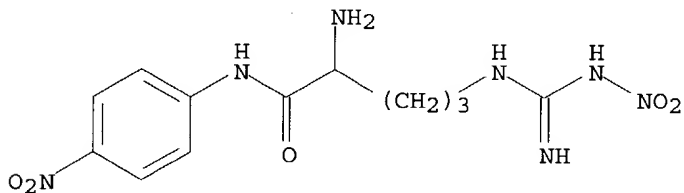
Absolute stereochemistry.



● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 40127-14-8 REGISTRY
 CN Pentanamide, 2-amino-5-[[imino(nitroamino)methyl]amino]-N-(4-nitrophenyl)-, monohydrobromide (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pentanamide, 2-amino-5-[[imino(nitroamino)methyl]amino]-N-(4-nitrophenyl)-, monohydrobromide, (±)-
 OTHER NAMES:
 CN No-Nitro-DL-arginine p-nitroanilide hydrobromide
 MF C12 H17 N7 O5 . Br H
 LC STN Files: BEILSTEIN*, CA, CAPLUS, CHEMCATS
 (*File contains numerically searchable property data)

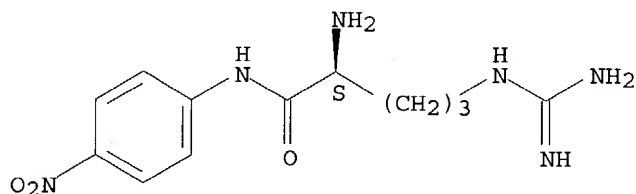


● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 6154-84-3 REGISTRY
 CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-(4-nitrophenyl)-, (2S)-
 (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Pentanamide, 2-amino-5-[(aminoiminomethyl)amino]-N-(4-nitrophenyl)-, (S)-
 CN Valeranalide, 2-amino-5-guanidino-4'-nitro-, L- (8CI)
 OTHER NAMES:
 CN **Arginine 4-nitroanilide**
 CN **Arginine p-nitroanilide**
 CN **L-Arginine p-nitroanilide**
 FS STEREOSEARCH
 DR 105115-69-3
 MF **C12 H18 N6 O3**
 CI COM
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,
 CHEMCATS, CSCHEM, EMBASE, PROMT, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

61 REFERENCES IN FILE CA (1907 TO DATE)
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 61 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> b home

FILE 'HOME' ENTERED AT 10:14:29 ON 02 MAR 2004